

Tropical Depression 07W

Tropical Depression (TD) 07W developed east of Taiwan along the trailing edge of a stationary front. The first warning was issued on 020900Z September as a 30 kt system. Although convection did periodically increase, this Depression failed to intensify.

After forming just east of Taiwan, TD 07W tracked rapidly northeastward under the steering influence of the 700mb subtropical ridge to the south. The system began to accelerate and turned more east-northeastward as moderate vertical shear began to displace the cyclone's convection away from the low-level circulation center. TD 07W slowed on 040000Z September, and vertical wind shear increased, caused by the outflow of nearby Typhoon Rex (06W). TD 07W dissipated over water, with the final warning issued on 040900Z September.

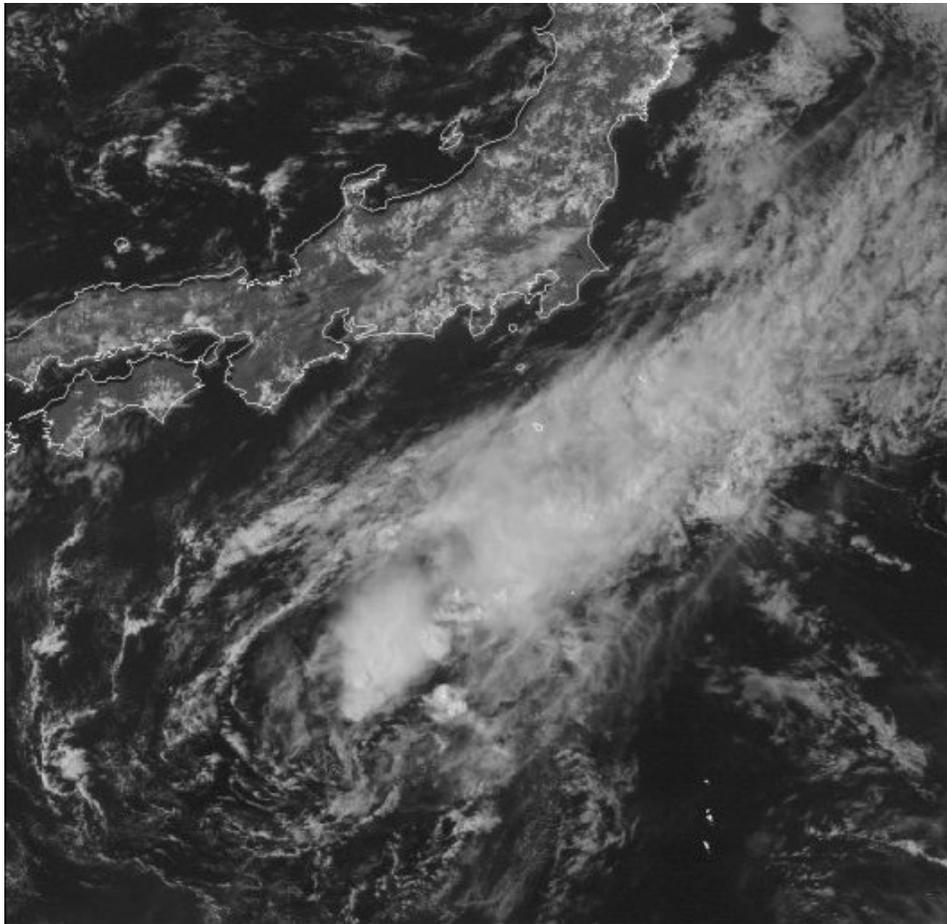


Figure 3-07-1. GMS-5 visible image of TD 07W at 030534Z September. Convection is being sheared to the northeast.

